

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
Hironori KOMATSU et al.) Group Art Unit:
Application No.:) Examiner:
Filed: May 18, 2005) Confirmation No.:
For: METHOD FOR PREPARING)
PHOSPHOROAMIDITE (as amended))

FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

The listed documents were either cited in the specification or the International Search Report in the corresponding PCT application.

To assist the Examiner, the documents are listed on the attached form PTO-1449. Copies of the documents cited only in the specification are provided herewith. However, copies of the documents cited in the Search Report are not being submitted as it is understood that they have already been transmitted by the International Bureau. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date May 18, 2005

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Substitute for form 1449A/PTO & 1449B/PTO

Complete if Known

**FIRST
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

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Application Number

10/535277

Filing Date

May 18, 2005

First Named Inventor

Hironori KOMATSU et al.

Examiner Name

Attorney Docket Number

018765-219

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	5,278,302	A	Caruthers et al.	01-11-1994
	4,415,732		Caruthers et al.	11-15-1983

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	63-63694	A	JP	03-22-1988				X			
	62-70391	A	JP	03-31-1987				X			

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	BARONE et al., "In situ activation of bis-dialkylaminophosphines--a new method for synthesizing deoxyoligonucleotides on polymer supports," <i>Nucleic Acids Research</i> , 1984, pp 4051-4061, Vol. 12 no 10, IRL Press Limited, Oxford, England*
	KRASZEWSKI et al., "Simple and rapid procedure for synthesis of deoxynucleoside 3'-2-cyanoethyl-N,N-diisopropyl-amino phosphites," <i>Nucleic Acids Research</i> , 1987, pp 177-180, Symposium Series No. 18, IRL Press Limited, Oxford, England*
	SANGHVI et al., "Improved process for the preparation of nucleosidic phosphoramidites using a safer and cheaper activator," <i>Organic Process Research & Development</i> , 2000, pp 175-181, Vol. 4, No. 3, American Chemical Society*
	FROEHLER et al., "Substituted 5-phenyltetrazoles: improved activators of deoxynucleoside phosphoramidites in deoxyoligonucleotide synthesis," <i>Tetrahedron Letters</i> , 1983, pp 3171-3174, Vol. 24, No. 31, Pergamon Press Ltd., Great Britain*

*Copy attached.

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.